

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (currently amended) A method for identifying a therapeutic compound for the treatment of Alzheimer's disease comprising: ~~the step of identifying a Src protein inhibitor;~~
 - a) providing at least one mammalian cell expressing said Src protein;
 - b) introducing a candidate compound to said mammalian cell;
 - c) measuring the phosphorylation activity of said Src protein in response to said candidate compound; and
 - d) identifying said candidate compound as the therapeutic compound for the treatment of Alzheimer's disease
2. (withdrawn) The method of Claim 1 wherein said identifying step comprises the steps of:
 - a) providing a reporter gene operatively linked to a regulatory nucleotide sequence, wherein said regulatory nucleotide sequence regulates Src protein expression;
 - b) introducing a candidate compound; and
 - c) measuring the activity of said reporter gene in response to said candidate compound.
3. (withdrawn) The method of Claim 2 wherein said reporter gene is Src.
4. (withdrawn) The method of Claim 2, wherein said regulatory nucleotide sequence is the Src promoter.
5. (withdrawn) The method of Claim 2 wherein said regulatory nucleotide sequence regulates a Src protein selected from the group consisting of: human Src and mouse Src.

6. (currently amended) ~~The method of~~ According to Claim 1, wherein said Src protein is selected from the group consisting of: human Src and mouse Src.
7. (currently amended) ~~The method of~~ According to Claim 1, wherein said Src protein comprises an amino acid sequence selected from the group consisting of: SEQ ID NO:1, SEQ ID NO:2, and SEQ ID NO:3.
8. (canceled)
- 9 (currently amended) ~~The method of~~ According to Claim 8 1, wherein said ~~providing step (a) comprises providing~~ mammalian cell is a primary cell culture of neurons.
- 10 (withdrawn) A therapeutic compound identified by the method of Claim 1.
- 11 (withdrawn) A pharmaceutical composition comprising an effective amount of the therapeutic compound of Claim 10 and a pharmaceutically acceptable excipient.
- 12 (withdrawn) A method for treating Alzheimer's disease comprising the step of administering the pharmaceutical composition of Claim 11.
13. (withdrawn) A pharmaceutical composition comprising an effective amount of PP2 and a pharmaceutically acceptable excipient.
14. (withdrawn) A method for treating Alzheimer's disease comprising the step of administering the pharmaceutical composition of Claim 13.